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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently amended) A printer for receiving document data from a computer system and printing an interface onto a surface, the interface being at least partially based on the document data, the document data including identity data indicative of at least one identity, the identity being associated with a region of the interface, the interface including coded data, the printer including:
- a data input module for receiving document data from a computer system, the document data including identity data indicative of at least one identity, the identity being associated with at least one region of the interface:
- a coded data generator configured to generate the-coded data based at least partially on the identity data; and
- a printing mechanism for printing the interface onto the surface, the interface including the coded data.
- 2. (Original) A printer according to claim 1, wherein the interface includes visible information in addition to the coded data, the visible information being based at least partially on the response data.
- 3. (Original) A printer according to claim 1, wherein the coded data is also indicative of at least one reference point of the region.
- 4. (Original) A printer according to claim 3, wherein the at least one reference point is determined on the basis of a coded data layout.
- 5. (Original) A printer according to claim 4, wherein the printer is configured to receive the coded data layout from the computer system.

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6. (Original) A printer according to claim 5, further including storage means for storing a plurality of the coded data layouts, the printer being configured to:

receive, from the computer system, layout selection information indicative of one of the coded data layouts; and

use the layout selection information to select one of the stored coded layouts for use in determining the at least one reference point.

- 7. (Original) A printer according to claim 1, wherein the coded data is not substantially visible to an average unaided human eye under daylight or ambient lighting conditions.
- 8. (Original) A printer according to any one of claims 1 to 6, wherein the coded data includes at least one tag, each tag being indicative of the identity of the region.
- 9. (Original) A printer according to claim 8, wherein the coded data includes a plurality of the tags, the coded data generator being configured to ascertain a position of each tag prior to printing, the respective positions being determined on the basis of a coded data layout.
- 10. (Original) A printer according to claim 9, wherein the coded data generator is configured to receive the coded data layout from the computer device prior to printing the coded data.
- 11. (Original) A printer according to claim 5, further including storage means for storing a plurality of the coded data layouts, the coded data generator being configured to:

receive, from the computer device, layout selection information indicative of one of the coded data layouts; and

generate the coded data based on the layout selection information.

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- 12. (Original) A printer according to claim 8, wherein each of the tags includes: first identity data defining a relative position of that tag; and second identity data identifying the region.
- 13. (Original) A printer according to any one of claims 1 to 6, 11 or 12, the printer being configured to print the interface onto the surface on demand.
- 14. (Original) A printer according to any one of claims 1 to 6, 11 or 12, wherein the interface is printed over a plurality of the pages.
- 15. (Original) A printer according to any one of claims 1 to 6, wherein the surface is defined by a substrate.
- 16. (Original) A printer according to claim 15, wherein the substrate is laminar.
- 17. (Original) A printer according to claim 8, wherein the tags are disposed at predetermined positions on the surface.
- 18. (Original) A printer according to claim 17, wherein the tags are disposed on the surface within a tessellated pattern comprising a plurality of tiles, each of the tiles containing a plurality of the tags.
- 19. (Original) A printer according to claim 18, wherein the tiles interlock with each other to substantially cover the surface.
- 20. (Original) A printer according to claim 19, wherein the tiles are all of a similar shape.

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- 21. (Original) A printer according to claim 20, wherein the tiles are triangular, square, rectangular or hexagonal.
- 22. (Original) A printer according to claim 18, wherein the tags are disposed stochastically within each of the tiles.
- 23. (Original) A printer according to claim 8, wherein each of the tags includes at least one common feature in addition to the second identity data.
- 24. (Original) A printer according to claim 23, wherein at least one common feature is configured to assist finding and/or recognition of the tags by associated tag reading apparatus.
- 25. (Original) A printer according to claim 23, wherein the at least one common feature is represented in a format incorporating redundancy of information.
- 26. (Original) A printer according to claim 25, wherein the at least one common feature is rotationally symmetric so as to be rotationally invariant.
- 27. (Original) A printer according to claim 25, wherein the at least one common feature is ring-shaped.
- 28. (Original) A printer according to claim 8, wherein each of the tags includes at least one orientation feature for enabling a rotational orientation of the tag to be ascertained by associated tag reading apparatus.
- 29. (Original) A printer according to claim 28, wherein the at least one orientation feature is represented in a format incorporating redundancy of information.

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- 30. (Original) A printer according to claim 29, wherein the at least one orientation feature is rotationally asymmetric.
- 31. (Original) A printer according to claim 29, wherein the at least one orientation feature is skewed along its major axis.
- 32. (Original) A printer according to claim 8, wherein each of the tags includes at least one perspective feature for enabling a perspective distortion of the tag to be ascertained by associated tag reading apparatus.
- 33. (Original) A printer according to claim 32, wherein the at least one perspective feature includes at least four sub-features which are not coincident.
- 34. (Original) A printer according to claim 12, wherein each tag includes a plurality of tag elements, the first and second identity data each being defined by a plurality of the elements.
- 35. (Original) A printer according to claim 34, wherein the tag elements are disposed in one or more arcuate bands around a central region of each tag.
- 36. (Original) A printer according to claim 35, wherein there are a plurality of the arcuate bands disposed concentrically with respect to each other.
- 37. (Original) A printer according to claim 36, wherein each element takes the form of a dot having a plurality of possible values.
- 38. (Original) A printer according to claim 37, wherein the number of possible values is two.

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- 39. (Original) A printer according to claim 37, wherein when representing one of the possible values, the tag elements absorb, reflect or fluoresce electromagnetic radiation of a predetermined wavelength or range of wavelengths to a predetermined greater or lesser extent than the surface.
- 40. (Original) A printer according to claim 37, wherein the possible values of the tag elements are defined by different relative absorption, reflection or fluorescence of electromagnetic radiation of a predetermined wavelength or range of wavelengths.
- 41. (Original) A printer according to claim 37, wherein the tags are slightly visible to an average unaided human eye under daylight or ambient lighting conditions.
- 42. (Original) A printer according to claim 34, wherein the tags are visible to an average unaided human eye under daylight or ambient lighting conditions.
- 43. (Original) A printer according to claim 12, wherein the first identity data is represented in a format incorporating redundancy of information.
- 44. (Original) A printer according to claim 12, wherein the second identity data is represented in a format incorporating redundancy of information.
- 45. (Original) A printer according to claim 44, wherein the printer is an ink printer.
- 46. (Original) A printer according to claim 45, wherein the tags are printed using ink that is absorbent or reflective in the ultraviolet spectrum or the infrared spectrum.
- 47. (Original) A printer according to claim 46, wherein the printer includes a separate ink channel for printing the tags.

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- 48. (Original) A printer according to claim 45, wherein the printer is configured to print the coded data and additional information substantially simultaneously onto the surface.
- 49. (Original) A printer according to claim 48, wherein the additional information is printed onto the surface using colored or monochrome inks.
- 50. (Original) A printer according to claim 49, wherein the additional information is printed onto the surface using one of the following combinations of colored inks:

CMY;

CMYK;

CMYRGB; and

spot color.

- 51. (Original) A printer according to claim 8, wherein at least a plurality of the tags are disposed stochastically upon the surface.
- 52. (Original) A printer according to claim 9, wherein the tags are disposed in a regular array on the surface, in accordance with the coded layout data.
- (Original) A printer according to claim 52, wherein the array is triangular.
- 54. (Original) A printer according to claim 52, wherein the array is rectangular.
- 55. (Original) A printer according to claim 52, wherein the tags are tiled over the surface.
- 56. (Original) A printer according to claim 14, further including a binding mechanism for binding the pages into a bound document.

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- 57. (Original) A printer according to claim 48, wherein the surface is defined by a face of a page, the printer further including dual printing mechanisms for printing opposite faces of the page simultaneously.
- 58. (Original) A printer according to any one of claims 1 to 6, 11 or 12, wherein the printing mechanism includes an inkjet printhead for printing ink onto the surface.
- 59. (Original) A printer according to claim 58, wherein the printhead is a drop on demand inkjet printhead.
- 60. (Original) A printer according to claim 59, wherein the printhead is a pagewidth printhead.
- 61. (Original) A printer according to claim 60 wherein the printhead is configured to deliver a plurality of ink colors onto the surface with one printing pass.
- 62. (Original) A printer according to claim 60, wherein the printhead includes electrothermal bend actuators to eject the ink onto the surface.
- 63. (Original) A printer according to claim 62, wherein the printer includes two sets of printheads, configured to print opposite surfaces of a page substantially simultaneously.
- 64. (Original) A printer according to claim 62, including a forced filtered air delivery mechanism for keeping nozzles of the printhead relatively free of paper dust.
- 65. (Original) A printer according to claim 62, wherein the printhead includes moving nozzle chambers.

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- 66. (Original) A printer according to claim 65, wherein the printer includes two sets of printheads, configured to print opposite surfaces of a page substantially simultaneously.
- 67. (Original) An interface surface produced by a printer according to any one of claims 1 to 6, 11 or 12.